Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Meguiar's G2504 Watermelon Bubblegum wash (G250464)

Product Identification Numbers
14-1001-6224-8

7100359700

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Custom Compound

1.3. Details of the supplier of the safety data sheet

Address:	3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
Telephone:	+353 1 280 3555
E Mail:	tox.uk@mmm.com
Website:	www.3M.com

1.4. Emergency telephone number
Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

CLASSIFICATION:
Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319

Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

2.2. Label elements
CLP REGULATION (EC) No 1272/2008

SIGNAL WORD
WARNING.

Symbols
GHS07 (Exclamation mark) |

Pictograms

HAZARD STATEMENTS:

H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

General:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Response:

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal:

P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH208	Contains 1,2-benzisothiazol-3(2H)-one. | Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-. | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Notes on labelling
Updated per Regulation (EC) No. 648/2004 on detergents.
Ingredients required per 648/2004: <5%: Non-ionic surfactants, anionic surfactants, amphoteric surfactants.

Contains: Perfumes, Benzyl alcohol, linalool, benzyl benzoate, 1,2-BENZISOTHIAZOLIN-3-ONE. **2.3. Other hazards**

None known.

This material does not contain any substances that are assessed to be a PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Non-Hazardous Ingredients	Mixture	80 - 100	Substance not classified as hazardous
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	(CAS-No.) 68585-34-2 (EC-No.) 500-223-8	< 4	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	(CAS-No.) 68585-47-7 (EC-No.) 271-557-7	< 4	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	(CAS-No.) 139-96-8 (EC-No.) 205-388-7	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400,M=1
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	(CAS-No.) 61789-40-0 (EC-No.) 263-058-8	< 1	Eye Dam. 1, H318 Aquatic Acute 1, H400,M=1 Aquatic Chronic 2, H411
Amides, coco, N-(hydroxyethyl)	(CAS-No.) 68140-00-1 (EC-No.) 268-770-2	< 1	Aquatic Acute 1, H400,M=1 Aquatic Chronic 3, H412
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9	< 0.05	Acute Tox. 2, H330(LC50 = 0.21 mg/l **ATE values per Annex VI**) Acute Tox. 4, H302(LD50 = 450 mg/kg **ATE values per Annex VI**) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400,M=1 Aquatic Chronic 1, H410,M=1
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3-[3-(2Hbenzotriazol-2-yl)-5-(1,1-dimethylethyl)4-hydroxyphenyl]-1-oxopropyl]-.omega.hydroxy-	(EC-No.) 400-830-7	<= 0.05	Skin Sens. 1A, H317 Aquatic Chronic 2, H411

reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-5007]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	(CAS-No.) 55965-84-9 (EC-No.) 911-418-6	< 0.0015	EUH071 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400,M=100 Aquatic Chronic 1, H410,M=100 Nota B Acute Tox. 2, H330 Acute Tox. 2, H310

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.
Please see section 16 for the full text of any H statements referred to in this section

Specific Concentration Limits

Ingredient	Identifier(s)	Specific Concentration Limits
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9	(C >= 0.036%) Skin Sens. 1A, H317
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	(CAS-No.) 68585-34-2 (EC-No.) 500-223-8	(C >= 10%) Eye Dam. 1, H318 (5% =< C < 10%) Eye Irrit. 2, H319
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	(CAS-No.) 61789-40-0 (EC-No.) 263-058-8	(C >= 15%) Eye Dam. 1, H318 (5% =< C < 15%) Eye Irrit. 2, H319
reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol-3-one [EC no. 220239-6] (3:1)	(CAS-No.) 55965-84-9 (EC-No.) 911-418-6	(C >= 0.6%) Skin Corr. 1C, H314 (0.06% =< C < 0.6%) Skin Irrit. 2, H315 (C >= 0.6%) Eye Dam. 1, H318 (0.06% =< C < 0.6%) Eye Irrit. 2, H319 (C >= 0.0015%) Skin Sens. 1A, H317
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	(CAS-No.) 68585-47-7 (EC-No.) 271-557-7	(C >= 20%) Eye Dam. 1, H318 (5% =< C < 20%) Eye Irrit. 2, H319

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact
Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact
Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If swallowed
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
The most important symptoms and effects based on the CLP classification include:
Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision).

4.3. Indication of any immediate medical attention and special treatment required
Not applicable.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Material will not burn.

5.2. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.
Hydrogen cyanide.	During combustion.
Oxides of nitrogen.	During combustion.
Oxides of sulphur.	During combustion.

5.3. Advice for fire-fighters
No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections
Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid eye contact. Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.
Indirect vented goggles.

Applicable Norms/Standards
Use eye protection conforming to EN 166

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
Polymer laminate	No data available	No data available

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used:Nitrile rubber.

Applicable Norms/Standards
Use gloves tested to EN 374

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Applicable Norms/Standards
Use a respirator conforming to EN 140 or EN 136: filter types A & P

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Emulsion
Colour	Pink
Odor	Melon
Odour threshold	*No data available.*
Melting point/freezing point	*No data available.*
Boiling point/boiling range	*No data available.*
Flammability	Not applicable.
Flammable Limits(LEL)	*No data available.*
Flammable Limits(UEL)	*No data available.*
Flash point	No flash point
Autoignition temperature	*No data available.*
Decomposition temperature	*No data available.*
pH	7 - 9
Kinematic Viscosity	*No data available.*
Water solubility	Complete
Solubility- non-water	Complete
Partition coefficient: n-octanol/water	*No data available.*
Vapour pressure	*No data available.*
Density	0.97 - 1.03 g/ml
Relative density	0.97 - 1
Relative Vapour Density	*No data available.*
Particle Characteristics	*Not applicable.*

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds	*No data available.*
Evaporation rate	*No data available.*

SECTION 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non reactive under normal use conditions

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
Not determined

10.5 Incompatible materials
None known.

10.6 Hazardous decomposition products

Substance	Condition
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin contact
Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Eye contact
Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Dermal	Rat	LD50 > 2,000 mg/kg
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Ingestion	Rat	LD50 2,870 mg/kg
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	Ingestion	Rat	LD50 1,830 mg/kg
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	Dermal	similar compoun ds	LD50 > 2,000 mg/kg
Amides, coco, N-(hydroxyethyl)	Dermal	Rabbit	LD50 > 2,000 mg/kg
Amides, coco, N-(hydroxyethyl)	Ingestion	Rat	LD50 > 5,000 mg/kg
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	Ingestion	Rat	LD50 > 2,000 mg/kg
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	Dermal	similar health hazards	LD50 estimated to be > 5,000 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Dermal	Rat	LD50 > 2,000 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Ingestion	Rat	LD50 > 1,500 mg/kg
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.hydroxy-	Dermal	Rat	LD50 > 2,000 mg/kg
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.hydroxy-	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.8 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.hydroxy-	Ingestion	Rat	LD50 > 5,000 mg/kg
1,2-benzisothiazol-3(2H)-one	Dermal	Rat	LD50 > 2,000 mg/kg
1,2-benzisothiazol-3(2H)-one	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.21 mg/l
1,2-benzisothiazol-3(2H)-one	Ingestion	Rat	LD50 450 mg/kg
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Dermal	Rabbit	LD50 87 mg/kg
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Rabbit	Irritant
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	similar compounds	Irritant
Amides, coco, N-(hydroxyethyl)	Rabbit	Mild irritant
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	Rabbit	Irritant
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Rabbit	Mild irritant
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	Rabbit	No significant irritation
1,2-benzisothiazol-3(2H)-one	Rabbit	No significant irritation
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Rabbit	Corrosive
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	similar compounds	Corrosive
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	Rabbit	Severe irritant
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Rabbit	Corrosive
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	Rabbit	No significant irritation
1,2-benzisothiazol-3(2H)-one	Rabbit	Corrosive
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Rabbit	Corrosive

Skin Sensitisation

Name	Species	Value
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Guinea pig	Not classified
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	similar compounds	Not classified
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	Human	Not classified
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Multiple animal species	Not classified
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	Guinea pig	Sensitising
1,2-benzisothiazol-3(2H)-one	Guinea pig	Sensitising
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Human and animal	Sensitising

Photosensitisation

Name	Species	Value

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Human and animal	Not sensitising

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	In Vitro	Not mutagenic
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	In vivo	Not mutagenic
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	In Vitro	Not mutagenic
Amides, coco, N-(hydroxyethyl)	In Vitro	Some positive data exist, but the data are not sufficient for classification
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	In Vitro	Not mutagenic
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	In Vitro	Not mutagenic
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	In vivo	Not mutagenic
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	In Vitro	Not mutagenic
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	In vivo	Not mutagenic
1,2-benzisothiazol-3(2H)-one	In vivo	Not mutagenic
1,2-benzisothiazol-3(2H)-one	In Vitro	Some positive data exist, but the data are not sufficient for classification
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	In vivo	Not mutagenic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Dermal	Mouse	Not carcinogenic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Ingestion	Not classified for female reproduction	Rat	NOAEL 300 mg/kg/day	2 generation
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Ingestion	Not classified for male reproduction	Rat	NOAEL 300 mg/kg/day	2 generation
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Ingestion	Not classified for development	Rat	NOAEL 300 mg/kg/day	2 generation
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	Ingestion	Not classified for female reproduction	Rat	NOAEL 100 mg/kg/day	premating into lactation

Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	Ingestion	Not classified for male reproduction	Rat	NOAEL 100 mg/kg/day	115 days
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-.omega.-hydroxy-	Ingestion	Not classified for development	Rat	NOAEL 2 mg/kg/day	premating into lactation
1,2-benzisothiazol-3(2H)-one	Ingestion	Not classified for female reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-benzisothiazol-3(2H)-one	Ingestion	Not classified for male reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-benzisothiazol-3(2H)-one	Ingestion	Not classified for development	Rat	NOAEL 112 mg/kg/day	2 generation
reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220239-6] (3:1)	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220239-6] (3:1)	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220239-6] (3:1)	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Sulphuric acid, mono-C1016-alkyl esters, sodium salts	Inhalation	respiratory irritation	May cause respiratory irritation	similar compounds	NOAEL Not available	
Amides, coco, N(hydroxyethyl)	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
1-Propanaminium, 3amino-N-(carboxymethyl)N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
1,2-benzisothiazol-3(2H)one	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
reaction mass of: 5-chloro2-methyl-4-isothiazolin-3one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3one [EC no. 220-239-6]	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

(3:1)						

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Dermal	skin | heart | endocrine system | gastrointestinal tract | hematopoietic system | liver | immune system | nervous system | eyes | kidney and/or bladder | respiratory system | vascular system	Not classified	Mouse	NOAEL 6.91 mg/day	90 days
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	Ingestion	blood | eyes	Not classified	Rat	NOAEL 225 mg/kg/day	90 days
1-Propanaminium, 3amino-N-(carboxymethyl)N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Ingestion	heart | endocrine system | hematopoietic system | liver | nervous system | eyes | kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	92 days
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3-[3(2H-benzotriazol-2-yl)-5(1,1-dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	Ingestion	liver | endocrine system | hematopoietic system | eyes | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 50 mg/kg/day	90 days
1,2-benzisothiazol-3(2H)one	Ingestion	liver | hematopoietic system | eyes | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-benzisothiazol-3(2H)one	Ingestion	heart | endocrine system | nervous system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days

Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Bacteria	Estimated	16 hours	EC10	>10,000 mg/l
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Green algae	Estimated	72 hours	EC50	27.7 mg/l
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Water flea	Estimated	48 hours	EC50	7.4 mg/l
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Zebra Fish	Estimated	96 hours	LC50	7.1 mg/l
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Green algae	Estimated	72 hours	NOEC	0.95 mg/l
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Rainbow trout	Estimated	28 days	NOEC	0.14 mg/l
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Water flea	Estimated	7 days	NOEC	0.06 mg/l
Sulphuric acid, monoC10-16-alkyl esters, sodium salts	68585-47-7	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
1-Propanaminium, 3amino-N-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Bacteria	Experimental	30 minutes	NOEC	>3,000 mg/l
1-Propanaminium, 3amino-N-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Common Carp	Experimental	96 hours	LC50	1.9 mg/l
1-Propanaminium, 3amino-N-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Green algae	Experimental	96 hours	EC50	0.55 mg/l
1-Propanaminium, 3amino-N-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Water flea	Experimental	24 hours	EC50	1.1 mg/l

1-Propanaminium, 3amino-N-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Green algae	Experimental	72 hours	NOEC	0.09 mg/l
1-Propanaminium, 3amino-N-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Water flea	Experimental	21 days	NOEC	0.9 mg/l
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Activated sludge	Estimated	3 hours	EC50	135 mg/l
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Fish	Estimated	96 hours	LC50	0.85 mg/l
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Green algae	Estimated	72 hours	EC50	512 mg/l
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Green algae	Estimated	72 hours	EC10	26 mg/l
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Water flea	Estimated	7 days	NOEC	1.3 mg/l
Amides, coco, N(hydroxyethyl)	68140-00-1	Bacteria	Experimental	30 minutes	NOEC	1,000 mg/l
Amides, coco, N(hydroxyethyl)	68140-00-1	Green algae	Experimental	96 hours	EC50	1 mg/l
Amides, coco, N(hydroxyethyl)	68140-00-1	Invertebrate	Experimental	48 hours	EC50	>100 mg/l
Amides, coco, N(hydroxyethyl)	68140-00-1	Water flea	Experimental	24 hours	EC50	10 mg/l
Amides, coco, N(hydroxyethyl)	68140-00-1	Zebra Fish	Experimental	96 hours	LC50	28.5 mg/l
Amides, coco, N(hydroxyethyl)	68140-00-1	Green algae	Experimental	96 hours	EC10	0.7 mg/l
1,2-benzisothiazol-3(2H)-one	2634-33-5	Green algae	Experimental	72 hours	ErC50	0.11 mg/l
1,2-benzisothiazol-3(2H)-one	2634-33-5	Rainbow trout	Experimental	96 hours	LC50	1.6 mg/l
1,2-benzisothiazol-3(2H)-one	2634-33-5	Sheepshead Minnow	Experimental	96 hours	LC50	16.7 mg/l
1,2-benzisothiazol-3(2H)-one	2634-33-5	Water flea	Experimental	48 hours	EC50	2.9 mg/l
1,2-benzisothiazol-3(2H)-one	2634-33-5	Green algae	Experimental	72 hours	NOEC	0.0403 mg/l
1,2-benzisothiazol-3(2H)-one	2634-33-5	Activated sludge	Experimental	3 hours	EC50	12.8 mg/l

1,2-benzisothiazol-3(2H)-one	2634-33-5	Bobwhite quail	Experimental	14 days	LD50	617 mg per kg of bodyweight
1,2-benzisothiazol-3(2H)-one	2634-33-5	Cabbage	Experimental	14 days	EC50	200 mg/kg (Dry Weight)
1,2-benzisothiazol-3(2H)-one	2634-33-5	Redworm	Experimental	14 days	LC50	>410.6 mg/kg (Dry Weight)
1,2-benzisothiazol-3(2H)-one	2634-33-5	Soil microbes	Experimental	28 days	EC50	>811.5 mg/kg (Dry Weight)
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2yl)-5-(1,1dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Activated sludge	Experimental	3 hours	EC50	>1,000 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2yl)-5-(1,1dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Green algae	Experimental	72 hours	EC50	>100 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2yl)-5-(1,1dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Rainbow trout	Experimental	96 hours	LC50	2.8 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2yl)-5-(1,1dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Water flea	Experimental	48 hours	EC50	4 mg/l

Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2yl)-5-(1,1dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Green algae	Experimental	72 hours	ErC10	10 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2yl)-5-(1,1dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Water flea	Experimental	21 days	NOEC	0.78 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Activated sludge	Experimental	3 hours	NOEC	0.91 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Bacteria	Experimental	16 hours	EC50	5.7 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Copepod	Experimental	48 hours	EC50	0.007 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Diatom	Experimental	72 hours	ErC50	0.0199 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Green algae	Experimental	72 hours	ErC50	0.027 mg/l

reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Rainbow trout	Experimental	96 hours	LC50	0.19 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Sheepshead Minnow	Experimental	96 hours	LC50	0.3 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Water flea	Experimental	48 hours	EC50	0.099 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Diatom	Experimental	48 hours	NOEC	0.00049 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Fathead minnow	Experimental	36 days	NOEL	0.02 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-2396] (3:1)	55965-84-9	Green algae	Experimental	72 hours	NOEC	0.004 mg/l
reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7]and 2methyl-2H-isothiazol3-one [EC no. 220-239-	55965-84-9	Water flea	Experimental	21 days	NOEC	0.004 mg/l
6] (3:1)						

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Estimated Biodegradation	28 days	Dissolv. Organic Carbon Deplet	100 %removal of DOC	EC C.4.A. DOC Die-Away Test
Sulphuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	Experimental Biodegradation	30 days	BOD	>60 %BOD/ThOD	OECD 301D - Closed bottle test

1-Propanaminium, 3-aminoN-(carboxymethyl)-N,Ndimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Experimental Biodegradation	28 days	Dissolv. Organic Carbon Deplet	100 %removal of DOC	OECD 301E - Modif. OECD Screen
LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Experimental Biodegradation	30 days	BOD	97 %BOD/COD	OECD 301D - Closed bottle test
Amides, coco, N(hydroxyethyl)	68140-00-1	Experimental Biodegradation	19 days	BOD	91 %BOD/ThOD	
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Biodegradation	28 days	BOD	0 %BOD/ThOD	OECD 301C - MITI test (I)
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Aquatic Inherent Biodegrad.	34 days	Dissolv. Organic Carbon Deplet	17 %removal of DOC	OECD 302A - Modified SCAS Test
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Biodegradation	21 days	Dissolv. Organic Carbon Deplet	80 %removal of DOC	OECD 303A - Simulated Aerobic
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Biodegradation		Half-life (t 1/2)	4 hours (t 1/2)	
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Hydrolysis		Hydrolytic half-life	>1 years (t 1/2)	OECD 111 Hydrolysis func of pH
Reaction mass of Polymeric benzotriazole and Poly(oxy1,2-ethanediyl), .alpha.-[3[3-(2H-benzotriazol-2-yl)-5(1,1-dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Experimental Biodegradation	28 days	CO2 evolution	12-24 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
reaction mass of: 5-chloro2-methyl-4-isothiazolin-3one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3one [EC no. 220-239-6] (3:1)	55965-84-9	Analogous Compound Biodegradation	29 days	CO2 evolution	62 %CO2 evolution/THCO2 evolution (does not pass 10-day window)	OECD 301B - Modified sturm or CO2
reaction mass of: 5-chloro2-methyl-4-isothiazolin-3one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3one [EC no. 220-239-6] (3:1)	55965-84-9	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	> 60 days (t 1/2)	

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Experimental BCF - Fish	72 hours	Bioaccumulation factor	18	
Sulphuric acid, mono-C1016-alkyl esters, sodium salts	68585-47-7	Experimental BCF - Fish		Bioaccumulation factor	≤73	
1-Propanaminium, 3amino-N-(carboxymethyl)N,N-dimethyl-, N-coco	61789-40-0	Estimated Bioconcentration		Log Kow	0.69	
acyl derivs., hydroxides, inner salts						

LAURYLSULPHATE ESTER TRIETHANOLAMINE SALT	139-96-8	Estimated Bioconcentration		Log Kow	≤-2.03	
Amides, coco, N(hydroxyethyl)	68140-00-1	Estimated Bioconcentration		Bioaccumulation factor	166	
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental BCF - Fish	56 days	Bioaccumulation factor	6.62	similar to OECD 305
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Bioconcentration		Log Kow	1.45	OECD 107 log Kow shke flsk mtd
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2ethanediyl), .alpha.-[3-[3(2H-benzotriazol-2-yl)-5(1,1-dimethylethyl)-4hydroxyphenyl]-1oxopropyl]-.omega.hydroxy-	400-830-7	Experimental BCF - Fish	21 days	Bioaccumulation factor	34	OECD305-Bioconcentration
reaction mass of: 5-chloro2-methyl-4-isothiazolin-3one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3one [EC no. 220-239-6] (3:1)	55965-84-9	Analogous Compound BCF - Fish	28 days	Bioaccumulation factor	54	OECD305-Bioconcentration
reaction mass of: 5-chloro2-methyl-4-isothiazolin-3one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3one [EC no. 220-239-6] (3:1)	55965-84-9	Analogous Compound Bioconcentration		Log Kow	0.4	

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
Alcohols, C10-16, ethoxylated, sulphates, sodium salts	68585-34-2	Estimated Mobility in Soil	Koc	25 l/kg	ACD/Labs ChemSketch™
Sulphuric acid, mono-C1016-alkyl esters, sodium salts	68585-47-7	Estimated Mobility in Soil	Koc	1 l/kg	ACD/Labs ChemSketch™
Amides, coco, N(hydroxyethyl)	68140-00-1	Estimated Mobility in Soil	Koc	190 l/kg	Episuite™
1,2-benzisothiazol-3(2H)one	2634-33-5	Experimental Mobility in Soil	Koc	9.33 l/kg	OECD 121 Estim. of Koc by HPLC
reaction mass of: 5-chloro2-methyl-4-isothiazolin-3one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3one [EC no. 220-239-6] (3:1)	55965-84-9	Experimental Mobility in Soil	Koc	10 l/kg	OECD 106 Adsp-Desb Batch Equil

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

12.7. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

EU waste code (product as sold)
20 01 27* Paint, inks, adhesives and resins containing dangerous substances

SECTION 14: Transportation information

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 UN number or ID number	No data available.	No data available.	No data available.
14.2 UN proper shipping name	No data available.	No data available.	No data available.
14.3 Transport hazard class(es)	No data available.	No data available.	No data available.
14.4 Packing group	No data available.	No data available.	No data available.
14.5 Environmental hazards	No data available.	No data available.	No data available.
14.6 Special precautions for user	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.
14.7 Marine Transport in bulk according to IMO instruments	No data available.	No data available.	No data available.

Control Temperature	No data available.	No data available.	No data available.
Emergency Temperature	No data available.	No data available.	No data available.
ADR Classification Code	No data available.	No data available.	No data available.
IMDG Segregation Code	No data available.	No data available.	No data available.

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions on the manufacture, placing on the market and use:

The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

Ingredient	CAS Nbr
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9

Restriction status: listed in REACH Annex XVII
Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 for Conditions of Restriction

Global inventory status

Contact manufacturer for more information The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

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Seveso hazard categories, Annex 1, Part 1
None

Seveso named dangerous substances, Annex 1, Part 2
None

Regulation (EU) No 649/2012

No chemicals listed

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information

List of relevant H statements

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision information:
Label: CLP Percent Unknown information was deleted.
Section 3: Composition/ Information of ingredients table information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.

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